```
=> FIL REG
FILE 'REGISTRY' ENTERED AT 10:01:51 ON 10 AUG 2010
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=> D HIS NOFILE

     FILE 'HCAPLUS' ENTERED AT 09:14:59 ON 10 AUG 2010
                  E US2006-559810/APPS
L1             1 SEA SPE=ON  ABB=ON  PLU=ON  US2006-559810/AP
                  E JP2003-163462/APPS
L2             1 SEA SPE=ON  ABB=ON  PLU=ON  JP2003-163462/PRN
                  E WO2004-JP8243/APPS
L3             1 SEA SPE=ON  ABB=ON  PLU=ON  (WO2004-JP8243/AP OR WO2004-JP8
                  243/PRN)
L4             1 SEA SPE=ON  ABB=ON  PLU=ON  (L1 OR L2 OR L3)
                  SEL L4 RN

     FILE 'REGISTRY' ENTERED AT 09:16:21 ON 10 AUG 2010
L5             2 SEA SPE=ON  ABB=ON  PLU=ON  (808753-73-3/BI OR 808753-74-4/
                  BI)

     FILE 'HCAPLUS' ENTERED AT 09:17:30 ON 10 AUG 2010
                  SEL L4 AU
L6           479 SEA SPE=ON  ABB=ON  PLU=ON  ("FUKUDA, TERUYUKI"/AU OR
                  "MAEDA, MASAHIKO"/AU OR "MASUTANI, TETSUYA"/AU OR "UEDA,
                  AKIHIKO"/AU)
                  E DAIKIN IND/CO
L7          7835 SEA SPE=ON  ABB=ON  PLU=ON  ("DAIKIN IND"+ALL/CO,CS,PA OR

     FILE 'LREGISTRY' ENTERED AT 09:22:50 ON 10 AUG 2010
L8                STR

     FILE 'REGISTRY' ENTERED AT 09:24:40 ON 10 AUG 2010
L9                SCR 2043
L10            36 SEA SSS SAM L8 AND L9
L11           670 SEA SSS FUL L8 AND L9
                  SAV L11 HU810/A
L12               STR L8
L13            18 SEA SUB=L11 SSS SAM L12
L14           264 SEA SUB=L11 SSS FUL L12
                  SAV L14 HU810A/A

     FILE 'LREGISTRY' ENTERED AT 09:32:51 ON 10 AUG 2010
L15               STR

     FILE 'REGISTRY' ENTERED AT 09:34:41 ON 10 AUG 2010
L16            1 SEA SUB=L14 SSS SAM L15
L17           60 SEA SUB=L14 SSS FUL L15
                  SAV L17 HU810B/A
L18           14 SEA SPE=ON  ABB=ON  PLU=ON  L17 AND SI/ELS


     FILE 'HCAPLUS' ENTERED AT 09:56:09 ON 10 AUG 2010
L19            5 SEA SPE=ON  ABB=ON  PLU=ON  L18
L20            5 SEA SPE=ON  ABB=ON  PLU=ON  L19 AND (L6 OR L7)
L21         6489 SEA SPE=ON  ABB=ON  PLU=ON  MASON?
L22        56643 SEA SPE=ON  ABB=ON  PLU=ON  STONE?
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L23       43938 SEA SPE=ON  ABB=ON  PLU=ON  BRICK?
L24           2 SEA SPE=ON  ABB=ON  PLU=ON  L20 AND ((L21 OR L22 OR L23))
L25           5 SEA SPE=ON  ABB=ON  PLU=ON  L24 OR L20

     FILE 'REGISTRY' ENTERED AT 09:59:09 ON 10 AUG 2010
L26          27 SEA SPE=ON  ABB=ON  PLU=ON  L14 AND SI/ELS
L27          13 SEA SPE=ON  ABB=ON  PLU=ON  L26 NOT L17



     FILE 'REGISTRY' ENTERED AT 10:01:51 ON 10 AUG 2010

=> D L17 QUE STAT
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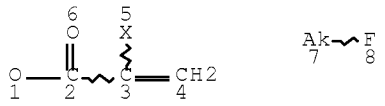


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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
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STEREO ATTRIBUTES: NONE
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L12               STR
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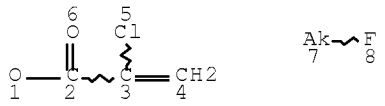


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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   8

STEREO ATTRIBUTES: NONE
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L15               STR
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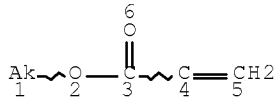

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   6

STEREO ATTRIBUTES: NONE
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100.0% PROCESSED     264 ITERATIONS                              60 ANSWERS
SEARCH TIME: 00.00.01




=> FIL HCAP
FILE 'HCAPLUS' ENTERED AT 10:02:17 ON 10 AUG 2010
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=> D L25 1-5 IBIB ABS HITSTR HITIND RETABLE

L25  ANSWER 1 OF 5  HCAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:        2007:1278762  HCAPLUS  Full-text
DOCUMENT NUMBER:         147:503925
TITLE:                   Fluorine-containing acrylic polymer and siloxane
                         compositions for waterproofing and stainproofing
                         of masonry
INVENTOR(S):             Butler, Derek; Hupfield, Peter Chesire; Reed,
                         Samantha
PATENT ASSIGNEE(S):      Dow Corning Corporation, USA; Daikin
                         Industries, Ltd.
SOURCE:                  PCT Int. Appl., 29 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
     WO 2007127267        A2    20071108    WO 2007-US10061        20070424
     WO 2007127267        A3    20080110
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
             CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,
             FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP,
             KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY,
             MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
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PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG,
ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
PRIORITY APPLN. INFO.: US 2006-795604P P 20060427

AB A composition for masonry treatment comprises (A) a fluorine-containing polymer comprising repeating units of a fluorine-containing monomer of the formula Rf-Y-O-C(O)-C(X)=CH2, where X is F, Cl, Br, I, or a CFX1X2 group in which X1 and X2 are each H, F, Cl, Br, I, CN, linear or branched C1-20-fluoroalkyl, substituted or unsubstituted benzyl, or substituted or unsubstituted phenyl; Y is C1-10-alkyl, C6-10-aryl or cycloalkyl, a -CH2CH2-N(R1)SO2- group in which R1 is C1-4-alkyl, or a -CH2CH(OY1)CH2- group in which Y1 is H or acetyl; Rf is linear or branched C1-21-fluoroalkyl or fluoroalkenyl, or a fluoro ether group having a total of 1 to 200 repeating units selected from -C3F6O-, -C2F4O- and -CF2O-; and (B) at least one siloxane of the general formula RaSiO(4-a/2), where each R is same or different monovalent organic group. The composition is used for treating masonry to improve its stain resistance, as well as providing water and oil repellency. The composition may be dispersed in an organic solvent for application to a masonry substrate, followed by removal of the solvent.

IT 956012-02-5DP, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-methyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate-titanium tetrabutoxide copolymer, reaction products with 2-butanol 956012-02-5P, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-methyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate-titanium tetrabutoxide copolymer 956012-04-7P, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer 956012-05-8DP, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate copolymer, reaction products with 2-butanol 956012-07-0DP, Dimethylsilanediol-isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer, reaction products with 2-butanol 956012-09-2DP, Dimethylsilanediol-isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-methyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate-titanium tetrabutoxide copolymer, reaction products with 2-butanol
(comprised of actual and assumed monomers; fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)

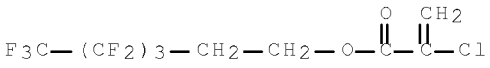
RN 956012-02-5 HCAPLUS

CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 1-butanol titanium(4+) salt (4:1), 1,1-dimethylsilanediol, octadecyl 2-propenoate, triethoxyoctylsilane, trimethoxymethylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

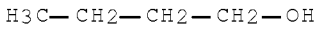
CRN 701909-41-3

CMF C9 H6 Cl F9 O2



CM 2

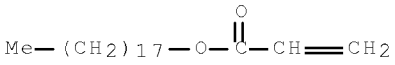
CRN 5593-70-4
CMF C4 H10 O . 1/4 Ti



1/4 Ti(IV)

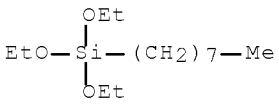
CM 3

CRN 4813-57-4
CMF C21 H40 O2



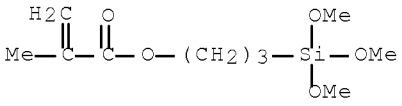
CM 4

CRN 2943-75-1
CMF C14 H32 O3 Si



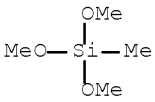
CM 5

CRN 2530-85-0
CMF C10 H20 O5 Si



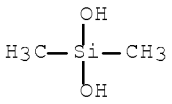
CM 6

CRN 1185-55-3
CMF C4 H12 O3 Si



CM 7

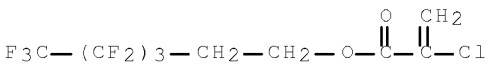
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 956012-02-5 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 1-butanol titanium(4+) salt (4:1), 1,1-dimethylsilanediol, octadecyl 2-propenoate, triethoxyoctylsilane, trimethoxymethylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

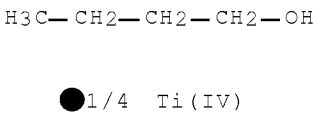
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



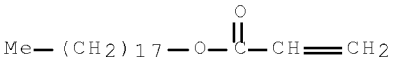
CM 2

CRN 5593-70-4
CMF C4 H10 O . 1/4 Ti



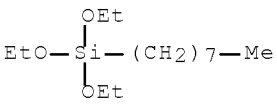
CM 3

CRN 4813-57-4
CMF C21 H40 O2



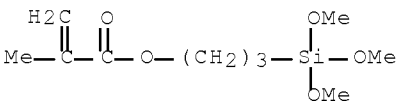
CM 4

CRN 2943-75-1
CMF C14 H32 O3 Si



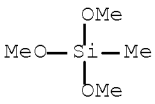
CM 5

CRN 2530-85-0
CMF C10 H20 O5 Si



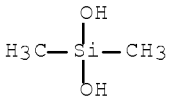
CM 6

CRN 1185-55-3
CMF C4 H12 O3 Si



CM 7

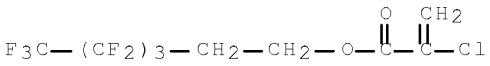
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 956012-04-7 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 1,1-dimethylsilanediol, octadecyl 2-propenoate and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

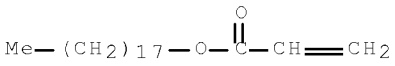
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



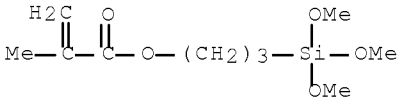
CM 2

CRN 4813-57-4
CMF C21 H40 O2



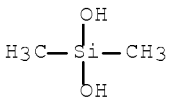
CM 3

CRN 2530-85-0
CMF C10 H20 O5 Si



CM 4

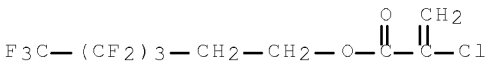
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 956012-05-8 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 1,1-dimethylsilanediol, octadecyl 2-propenoate, triethoxyoctylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

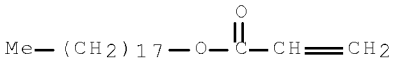
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



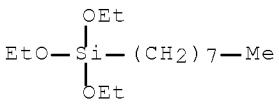
CM 2

CRN 4813-57-4
CMF C21 H40 O2



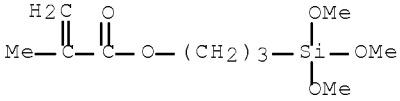
CM 3

CRN 2943-75-1
CMF C14 H32 O3 Si



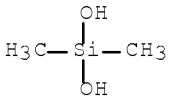
CM 4

CRN 2530-85-0
CMF C10 H20 O5 Si



CM 5

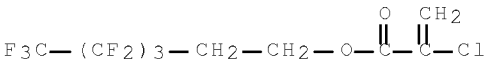
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 956012-07-0 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 1,1-dimethylsilanediol, octadecyl 2-propenoate, triethoxy(2-methylpropyl)silane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



CM 2

CRN 17980-47-1
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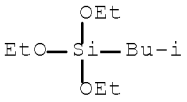
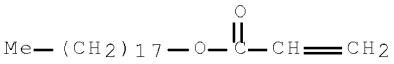


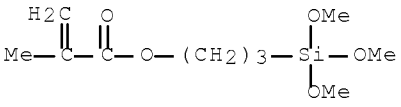
CM 3

CRN 4813-57-4
CMF C21 H40 O2



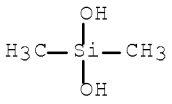
CM 4

CRN 2530-85-0
CMF C10 H20 O5 Si



CM 5

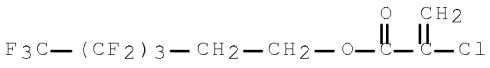
CRN 1066-42-8
CMF C2 H8 O2 Si



RN 956012-09-2 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 1-butanol titanium(4+) salt (4:1), 1,1-dimethylsilanediol, octadecyl 2-propenoate, triethoxy(2-methylpropyl)silane, triethoxyoctylsilane, trimethoxymethylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

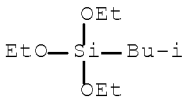
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



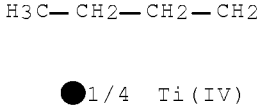
CM 2

CRN 17980-47-1
CMF C10 H24 O3 Si



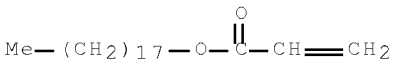
CM 3

CRN 5593-70-4
CMF C4 H10 O . 1/4 Ti



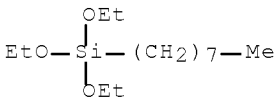
CM 4

CRN 4813-57-4
CMF C21 H40 O2



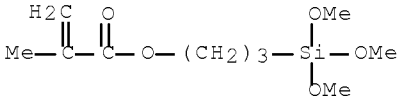
CM 5

CRN 2943-75-1
CMF C14 H32 O3 Si



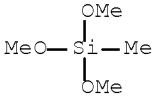
CM 6

CRN 2530-85-0
CMF C10 H20 O5 Si



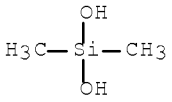
CM 7

CRN 1185-55-3
CMF C4 H12 O3 Si



CM 8

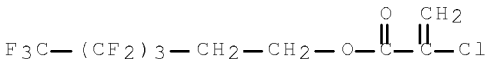
CRN 1066-42-8
CMF C2 H8 O2 Si



IT 956011-99-7P, Methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltrimethoxysilane-stearyl acrylate copolymer 956012-00-3DP, Isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer, reaction products with 2-butanol 956012-00-3P, Isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer 956012-01-4P, Isobutyltrimethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer 956012-03-6DP, Methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate copolymer, reaction products with C3-C6-aliphatic alcs. 956012-03-6P, Methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate copolymer (fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
RN 956011-99-7 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate, trimethoxyoctylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

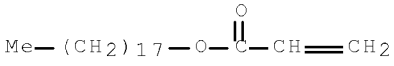
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



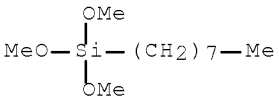
CM 2

CRN 4813-57-4
CMF C21 H40 O2



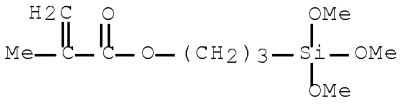
CM 3

CRN 3069-40-7
CMF C11 H26 O3 Si



CM 4

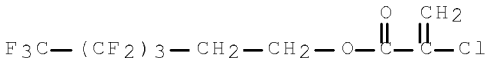
CRN 2530-85-0
CMF C10 H20 O5 Si



RN 956012-00-3 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate, triethoxy(2-methylpropyl)silane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

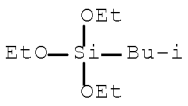
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



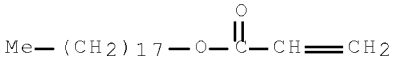
CM 2

CRN 17980-47-1
CMF C10 H24 O3 Si



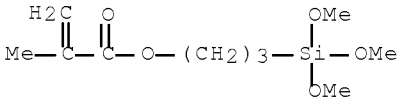
CM 3

CRN 4813-57-4
CMF C21 H40 O2



CM 4

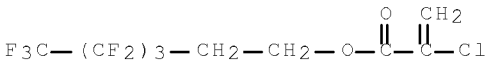
CRN 2530-85-0
CMF C10 H20 O5 Si



RN 956012-00-3 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate, triethoxy(2-methylpropyl)silane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

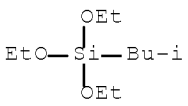
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



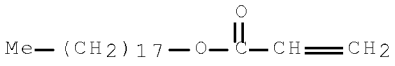
CM 2

CRN 17980-47-1
CMF C10 H24 O3 Si



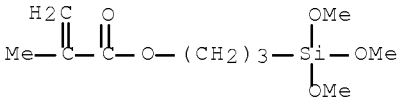
CM 3

CRN 4813-57-4
CMF C21 H40 O2



CM 4

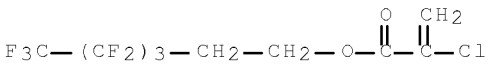
CRN 2530-85-0
CMF C10 H20 O5 Si



RN 956012-01-4 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate, trimethoxy(2-methylpropyl)silane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

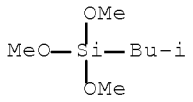
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



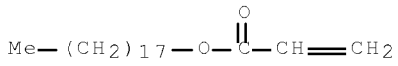
CM 2

CRN 18395-30-7
CMF C7 H18 O3 Si



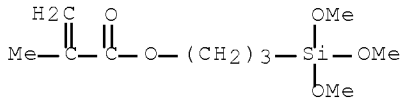
CM 3

CRN 4813-57-4
CMF C21 H40 O2



CM 4

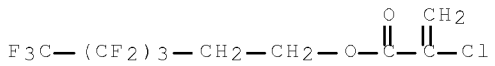
CRN 2530-85-0
CMF C10 H20 O5 Si



RN 956012-03-6 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate, triethoxyoctylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

CM 1

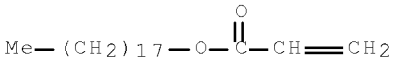
CRN 701909-41-3
CMF C9 H6 Cl F9 O2



CM 2

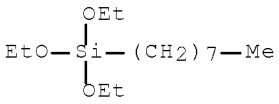
CRN 4813-57-4

CMF C21 H40 O2



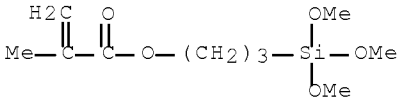
CM 3

CRN 2943-75-1
CMF C14 H32 O3 Si



CM 4

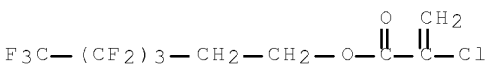
CRN 2530-85-0
CMF C10 H20 O5 Si



RN 956012-03-6 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate, triethoxyoctylsilane and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

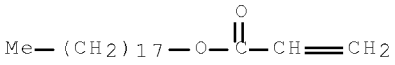
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



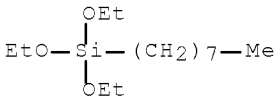
CM 2

CRN 4813-57-4
CMF C21 H40 O2



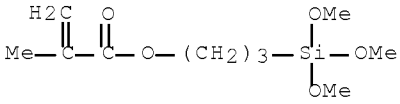
CM 3

CRN 2943-75-1
CMF C14 H32 O3 Si



CM 4

CRN 2530-85-0
CMF C10 H20 O5 Si



IPCI C04B0041-45 [I,C]; C04B0041-48 [I,A]; C04B0041-49 [I,A]; C09D0133-14 [I,C]; C09D0133-16 [I,A]; C09D0183-00 [I,C]; C09D0183-00 [I,A]
IPCR C04B0041-45 [I,C]; C04B0041-48 [I,A]; C04B0041-49 [I,A]; C09D0133-14 [I,C]; C09D0133-16 [I,A]; C09D0183-00 [I,C]; C09D0183-00 [I,A]
CC 42-7 (Coatings, Inks, and Related Products)
Section cross-reference(s): 58
ST fluoroalkyl acrylate resin polysiloxane antistaining water resistant masonry coating
IT Polysiloxanes
(acrylic, fluorine-containing; fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
IT Fluoropolymers
(acrylic-polysiloxane-; fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
IT Coating materials
(antistaining; fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)

IT Concrete
Masonry
(fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of)
IT Coating process
(fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
IT Coating materials
(water-resistant; fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
IT 956012-02-5DP, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-methyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate-titanium tetrabutoxide copolymer, reaction products with 2-butanol 956012-02-5P, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-methyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate-titanium tetrabutoxide copolymer 956012-04-7P, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer 956012-05-8DP, Dimethylsilanediol-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate copolymer, reaction products with 2-butanol 956012-07-0DP, Dimethylsilanediol-isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer, reaction products with 2-butanol 956012-09-2DP, Dimethylsilanediol-isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-methyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate-titanium tetrabutoxide copolymer, reaction products with 2-butanol
(comprised of actual and assumed monomers; fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
IT 67-63-0DP, Isopropanol, reaction products with acrylic polysiloxanes 71-36-3DP, 1-Butanol, reaction products with acrylic polysiloxanes 78-92-2DP, 2-Butanol, reaction products with acrylic polysiloxanes 25917-35-5DP, Hexanol, reaction products with acrylic polysiloxanes 30899-19-5DP, Pentanol, reaction products with acrylic polysiloxanes 956011-99-7P, Methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltrimethoxysilane-stearyl acrylate copolymer 956012-00-3DP, Isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer, reaction products with 2-butanol 956012-00-3P, Isobutyltriethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer 956012-01-4P, Isobutyltrimethoxysilane-methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-stearyl acrylate copolymer 956012-03-6DP, Methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate copolymer, reaction products with C3-C6-aliphatic alcs. 956012-03-6P, Methacryloxypropyltrimethoxysilane-nonafluorohexyl chloroacrylate-octyltriethoxysilane-stearyl acrylate copolymer
(fluorine-containing acrylic polymer and siloxane compns. for waterproofing and stainproofing of masonry)
OS.CITING REF COUNT: 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS

RECORD (3 CITINGS)

L25 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2007:1173621 HCAPLUS Full-text
DOCUMENT NUMBER: 147:474303
TITLE: Cosmetic film-forming agents containing fluoroacrylate polymers, cosmetics containing them, and cosmetic powders coated with them
INVENTOR(S): Yamamoto, Ikuo; Masutani, Tetsuya
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 24pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007269642	A	20071018	JP 2006-93816	20060330
PRIORITY APPLN. INFO.:			JP 2006-93816	20060330

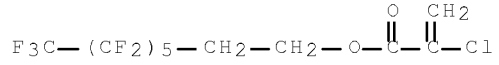
AB The cosmetic film-forming agents contain polymers having repeating units formed from fluoroacrylates CH2:CXCOARf [X = F, Cl, Br, I, CFX1X2 (X1, X2 = H, F, Cl), cyano, C1-20 linear or branched fluoroalkyl, (un)substituted benzyl, (un)substituted phenyl; A = OY1 [Y1 = C1-10 aliphatic group, C6-10 aromatic or alicyclic group, CH2CH2NR1SO2(CH2CH2)a (R1 = C1-4 alkyl; a = 0, 1), CH2CH(OR11)CH2 (R11 = H, Ac), (CH2)nSO2 (n = 1-10)], Y2[(CH2)mZ]p(CH2)n (Y2 = O, NH; Z = S, SO2; m = 1-10; n = 0-10; p = 0, 1); Rf = C1-6 linear or branched perfluoroalkyl]. CH2:CClCO2CH2CH2C4F9 was copolymd. with Silaplane FM 0721 (silicone macromonomer) in the presence of Perbutyl PV (tert-Bu peroxypivalate) to give a copolymer. A cyclosilicone solution containing 20 weight% of the copolymer was cast on a polyester film to form a water-resistant, water- and oil-repellent film showing water contact angle 110-130° and n-hexadecane contact angle 70-89°. A cosmetic powdery foundation containing mixed powders 89.8, p-hydroxybenzoic acid ester 0.1, the cyclosilicone solution of the fluoro copolymer 10.0, and perfume 0.1 weight% showed good water resistance and skin feel.

IT 952579-32-7P
(comprised of actual and assumed monomers; water- and oil-repellent film-forming fluoroacrylate copolymers for cosmetics and cosmetic powder coating)

RN 952579-32-7 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with butyl 2-propenoate and 1,1-dimethylsilanediol, graft (CA INDEX NAME)

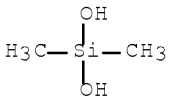
CM 1

CRN 96383-55-0
CMF C11 H6 Cl F13 O2



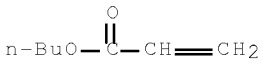
CM 2

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 3

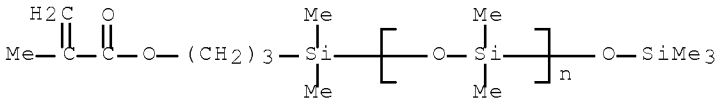
CRN 141-32-2
CMF C7 H12 O2



IT 952579-31-6P
(water- and oil-repellent film-forming fluoroacrylate copolymers for cosmetics and cosmetic powder coating)
RN 952579-31-6 HCAPLUS
CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester, polymer with butyl 2-propenoate and α-[dimethyl[3-[(2-methyl-1-oxo-2-propen-1-yl)oxy]propyl]silyl]-ω-[(trimethylsilyl)oxy]poly[oxy(dimethylsilylene)], graft (CA INDEX NAME)

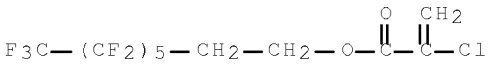
CM 1

CRN 123109-42-2
CMF (C2 H6 O Si)n C12 H26 O3 Si2
CCI PMS



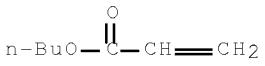
CM 2

CRN 96383-55-0
CMF C11 H6 Cl F13 O2



CM 3

CRN 141-32-2
CMF C7 H12 O2



IPCI A61K0008-81 [I,A]; A61K0008-72 [I,C*]; A61Q0001-02 [I,A]; A61Q0001-12 [I,A]; A61Q0001-10 [I,A]; A61Q0017-04 [I,A]; A61Q0005-12 [I,A]; A61Q0003-02 [I,A]; A61Q0001-04 [I,A]; A61Q0005-06 [I,A]
IPCR A61K0008-72 [I,C]; A61K0008-81 [I,A]; A61Q0001-02 [I,C]; A61Q0001-02 [I,A]; A61Q0001-04 [I,A]; A61Q0001-10 [I,A]; A61Q0001-12 [I,C]; A61Q0001-12 [I,A]; A61Q0003-02 [I,C]; A61Q0003-02 [I,A]; A61Q0005-06 [I,C]; A61Q0005-06 [I,A]; A61Q0005-12 [I,C]; A61Q0005-12 [I,A]; A61Q0017-04 [I,C]; A61Q0017-04 [I,A]
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 37
IT 952579-19-0P 952579-21-4P 952579-23-6P 952579-26-9P 952579-28-1P 952579-32-7P 952579-34-9P
(comprised of actual and assumed monomers; water- and oil-repellent film-forming fluoroacrylate copolymers for cosmetics and cosmetic powder coating)
IT 149925-73-5DP, Silaplane FM 0721, polymers with fluoroacrylate monomer and urethane monomer 701909-41-3DP, polymers with methacrylate-terminated silicone macromonomer and urethane monomer 952579-18-9P 952579-20-3P 952579-22-5P 952579-25-8P 952579-27-0P 952579-29-2P 952579-30-5P 952579-31-6P 952579-33-8P
(water- and oil-repellent film-forming fluoroacrylate copolymers for cosmetics and cosmetic powder coating)
OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

L25 ANSWER 3 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:1206624 HCAPLUS Full-text
DOCUMENT NUMBER: 145:506309
TITLE: Fluorosilicones and fluorine- and silicon-containing surface treatment agent
INVENTOR(S): Yamamoto, Ikuo; Minami, Shinichi; Masutani, Tetsuya; Hupfield, Peter C.; Surgenor, Avril E.
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan; Dow Corning Corporation
SOURCE: PCT Int. Appl., 70pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006121171	A1	20061116	WO 2006-JP309609	20060508
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
CA 2607627	A1	20061116	CA 2006-2607627	20060508
EP 1899392	A1	20080319	EP 2006-746356	20060508
EP 1899392	B1	20100609		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2008542449	T	20081127	JP 2007-551887	20060508
BR 2006008792	A2	20100126	BR 2006-8792	20060508
AT 470685	T	20100615	AT 2006-746356	20060508
US 20090030143	A1	20090129	US 2007-913814	20071107
MX 2007014071	A	20080207	MX 2007-14071	20071109
CN 101171274	A	20080430	CN 2006-80015871	20071109
KR 2008008409	A	20080123	KR 2007-728631	20071207
KR 952519	B1	20100412		
IN 2007CN05668	A	20080328	IN 2007-CN5668	20071210
PRIORITY APPLN. INFO.:			US 2005-679150P P	20050509
			US 2005-711335P P	20050825
			WO 2006-JP309609 W	20060508

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A fluorosilicone reaction product of a mercapto functional organopolysiloxane and a fluorine-containing monomer, and methods of preparing the fluorosilicone are disclosed. The fluorosilicone products are suitable for application to substrates such as textiles, particularly fabrics, to impart water or oil repellent properties to the textile. The fluorosilicone reaction product is prepared from (A) a fluorine-containing monomer of the formula CH2=C(X)COOYRf, and (B) a mercapto functional organopolysiloxane.

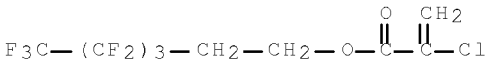
IT 914920-51-7P
(comprised of actual and assumed monomers; fluorosilicones and fluorine- and silicon-containing surface treatment agent)

RN 914920-51-7 HCAPLUS

CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with 3-chloro-2-hydroxypropyl 2-methyl-2-propenoate, 3-(diethoxymethylsilyl)-1-propanamine, 3-(dimethoxymethylsilyl)-1-propanethiol, dimethylsilanediol, N-(hydroxymethyl)-2-propenamide and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

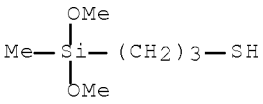
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



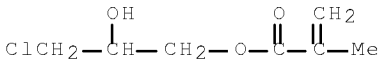
CM 2

CRN 31001-77-1
CMF C6 H16 O2 S Si



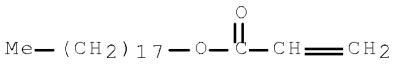
CM 3

CRN 13159-52-9
CMF C7 H11 Cl O3



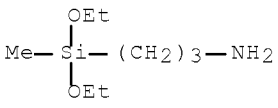
CM 4

CRN 4813-57-4
CMF C21 H40 O2



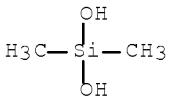
CM 5

CRN 3179-76-8
CMF C8 H21 N O2 Si



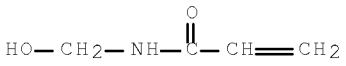
CM 6

CRN 1066-42-8
CMF C2 H8 O2 Si



CM 7

CRN 924-42-5
CMF C4 H7 N O2



IPCI C08F0283-12 [I,A]; C08F0283-00 [I,C*]; C08G0077-28 [I,A]; C08G0077-00 [I,C*]; D06M0015-19 [I,A]; D06M0015-643 [I,A]; D06M0015-37 [I,C*]
IPCR C08F0283-00 [I,C]; C08F0283-12 [I,A]; C08G0077-00 [I,C]; C08G0077-28 [I,A]; D06M0015-19 [I,C]; D06M0015-19 [I,A]; D06M0015-37 [I,C]; D06M0015-643 [I,A]
CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 40
IT 914920-51-7P 914920-53-9P
(comprised of actual and assumed monomers; fluorosilicones and fluorine- and silicon-containing surface treatment agent)
RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Minnesota Mining And Ma	2000			EP 0994134 A	HCAPLUS
Ohata	1991			US 4987180 A	HCAPLUS
Shin-Etsu Chemical Co L	2002			EP 1217119 A	HCAPLUS
Westall	1984			US 4448810 A	HCAPLUS

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L25 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2004:1080947 HCAPLUS Full-text

DOCUMENT NUMBER: 142:61284
TITLE: Fluoropolymeric water- and oil-repellent masonry treating agents
INVENTOR(S): Ueda, Akihiko; Maeda, Masahiko ; Fukuda, Teruyuki; Masutani, Tetsuya
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004108779	A1	20041216	WO 2004-JP8243	20040607
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1640387	A1	20060329	EP 2004-736265	20040607
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1795216	A	20060628	CN 2004-80014400	20040607
CN 100374474	C	20080312		
JP 4305448	B2	20090729	JP 2005-506847	20040607
US 20070066780	A1	20070322	US 2006-559810	20060512
PRIORITY APPLN. INFO.:			JP 2003-163462 A	20030609
			WO 2004-JP8243 W	20040607

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A fluoropolymer for masonry treatment produced from (A) a fluoromonomer, (Rf)(Y)OC(:O)C(X):CH2 which has been substituted in the α-position by a group X, wherein X = F, Cl, Br, I, CFX1X2 (wherein X1 and X2 = H, F, Cl, Br, or I), cyano, C1-20 linear or branched fluoroalkyl, benzyl derivative, or Ph derivative; Y = C1-10 aliphatic, C6-10 aromatic or cycloaliph., -CH2CH2N(R1)SO2- (wherein R1 = C1-4 alkyl), or -CH2CH(IY1)CH2- (wherein Y1 = H or acetyl); Rf = C1-20 linear or branched fluoroalkyl or fluoroalkenyl or -(C3F6O)n-, -(C2F4O)n-, or -(CF2O)n- wherein n = 1-200 and (B) a monomer having a functional group reactive with active hydrogen. It imparts excellent water- and-oil repellency and insusceptibility to fouling to masonries.

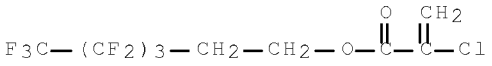
IT 808753-73-3P
(fluoropolymeric water- and oil-repellent masonry treating agents)

RN 808753-73-3 HCAPLUS

CN 2-Propenoic acid, 2-chloro-, 3,3,4,4,5,5,6,6,6-nonafluorohexyl ester, polymer with octadecyl 2-propenoate and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate (CA INDEX NAME)

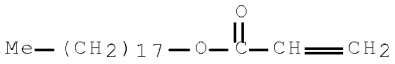
CM 1

CRN 701909-41-3
CMF C9 H6 Cl F9 O2



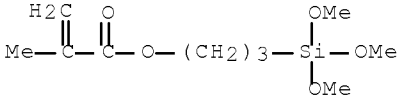
CM 2

CRN 4813-57-4
CMF C21 H40 O2



CM 3

CRN 2530-85-0
CMF C10 H20 O5 Si



IPCI C08F0220-22 [ICM,7]; C08F0220-00 [ICM,7,C*]; C08L0033-14 [ICS,7]; C08L0033-00 [ICS,7,C*]; C04B0041-46 [ICS,7]; C04B0041-45 [ICS,7,C*]
IPCR C04B0041-45 [I,C*]; C04B0041-48 [I,A]; C08F0220-00 [I,C*]; C08F0220-24 [I,A]
CC 58-3 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 35
ST masonry fluoropolymer treating agent water oil repellent antifouling
IT Masonry
(fluoropolymeric water- and oil-repellent masonry treating agents)
IT Limestone, processes
(fluoropolymeric water- and oil-repellent masonry treating agents)
IT Fluoropolymers, uses
(fluoropolymeric water- and oil-repellent masonry treating agents)
IT Granite, processes
(polished; fluoropolymeric water- and oil-repellent masonry treating agents)

IT Oil-resistant materials
Water-resistant materials
(treating agents for masonry; fluoropolymeric water- and oil-repellent masonry treating agents)
IT 808753-73-3P 808753-74-4P
(fluoropolymeric water- and oil-repellent masonry treating agents)
RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Daikin Industries Ltd	1988			EP 0247489 B1	HCAPLUS
Daikin Industries Ltd	1988			EP 0247489 B1	HCAPLUS
Daikin Industries Ltd	1988			US 5021501 A	HCAPLUS
Daikin Industries Ltd	1988			US 5021501 A	HCAPLUS
Daikin Industries Ltd	1988			US 5021527 A	HCAPLUS
Daikin Industries Ltd	1988			US 5021527 A	HCAPLUS
Daikin Industries Ltd	1988			JP 63-090588 A	HCAPLUS
Daikin Industries Ltd	1988			JP 63-099285 A	HCAPLUS
Daikin Industries Ltd	1989			JP 01-315471 A	HCAPLUS
Daikin Industries Ltd	1989			EP 0333083 A3	HCAPLUS
Daikin Industries Ltd	1989			US 5069941 A	HCAPLUS
Daikin Industries Ltd	2000			JP 2000264757 A	HCAPLUS
Dainippon Ink And Chemi	2003			JP 2003154307 A	HCAPLUS
Minnesota Mining & Mfg	1999			EP 0832051 A1	HCAPLUS
Minnesota Mining & Mfg	1999			JP 11-507687 A	
Minnesota Mining & Mfg	1999			WO 1997000230 A1	
Minnesota Mining & Mfg	1999			US 6037429 A	HCAPLUS
Shin-Etsu Chemical Co L	1995			JP 07-109317 A	HCAPLUS

L25 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1992:13289 HCAPLUS Full-text
DOCUMENT NUMBER: 116:13289
ORIGINAL REFERENCE NO.: 116:2291a,2294a
TITLE: Coated carriers for developing electrostatic images
INVENTOR(S): Kubo, Motonobu; Inukai, Hiroshi; Kitahara, Takahiro
PATENT ASSIGNEE(S): Daikin Industries, Ltd., Japan
SOURCE: U.S., 16 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 5021316	A	19910604	US 1989-418155		19891006
JP 02099974	A	19900411	JP 1988-253576		19881006
JP 02103562	A	19900416	JP 1988-258906		19881013
JP 02168274	A	19900628	JP 1988-324486		19881221
JP 02280171	A	19901116	JP 1989-101475		19890420
JP 03135579	A	19910610	JP 1989-208925		19890811
US 5071725	A	19911210	US 1990-627359		19901214
PRIORITY APPLN. INFO.:			JP 1988-253576	A	19881006
			JP 1988-258906	A	19881013
			JP 1988-324486	A	19881221

JP 1989-101475 A 19890420

JP 1989-208925 A 19890811

US 1989-418155 A3 19891006

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The title carrier comprises a core coated with a copolymer from CH2:CR1CO2R 50-99 weight% and CH2:CR2CO2(CH2)nSiMem(OR3)3-m 1-50 weight% [R1 = H, F, Cl, Me; R = fluoroalkyl; R2 = R1; R3 = Me, Et, Pr, methoxyethyl, acetyl; m = 0-2; n = 1-4]. The carriers can impart a large quantity of charge to the toner and have excellent durability.

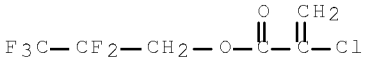
IT 138004-01-0
(electrostatog. carrier coating from)

RN 138004-01-0 HCAPLUS

CN 2-Propenoic acid, 2-chloro-, 2,2,3,3,3-pentafluoropropyl ester, polymer with methyl 2-propenoate and (trimethoxysilyl)methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

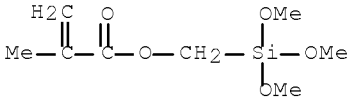
CM 1

CRN 74359-16-3
CMF C6 H4 Cl F5 O2



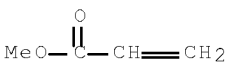
CM 2

CRN 54586-78-6
CMF C8 H16 O5 Si



CM 3

CRN 96-33-3
CMF C4 H6 O2



INCL 430108000
IPCI G03G0009-13 [ICM,5]; G03G0009-12 [ICM,5,C*]
IPCR G03G0009-113 [I,C*]; G03G0009-113 [I,A]
NCL 430/111.100; 428/407.000
CC 74-3 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
IT 101216-40-4 110226-64-7 129703-99-7 129863-20-3 129879-30-7
131630-62-1 138003-98-2 138003-99-3 138004-00-9
138004-01-0 138004-02-1 138004-03-2 138024-74-5
(electrostatog. carrier coating from)
RETABLE

Referenced Author (RAU)	Year (RPY)	VOL (RVL)	PG (RPG)	Referenced Work (RWK)	Referenced File
Anon				EP 0362858 A2	HCAPLUS
Anon				US 4614700 A	HCAPLUS
Anon				US 4954409 A	HCAPLUS
Anon				US 4965159 A	HCAPLUS
Anon				JP 59223459 A	HCAPLUS
Anon				JP 61120169 A	HCAPLUS
Anon				JP 61120170 A	HCAPLUS

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)